

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

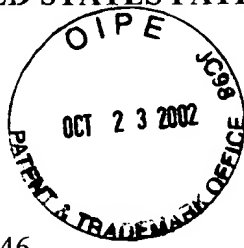
In re application of:

**J. PETTIS *et al.***

Application No. 09/893,746

Filed: June 29, 2001

For: METHOD FOR ALTERING DRUG  
PHARMACOKINETICS BASED  
ON MEDICAL DELIVERY  
PLATFORM



Group Art Unit: 3763

Confirmation No. 4733

Atty. Docket No. 7767-173562

Customer No.



32330

PATENT TRADEMARK OFFICE

RECEIVED  
OCT 24 2002  
TECHNOLOGY CENTER R3700

# 8

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This is an Information Disclosure Statement submitted under 37 C.F.R. § 1.97 within the time specified under 37 C.F.R. § 1.97(b).

In order to comply with the duty of disclosure pursuant to 37 C.F.R. § 1.56, submitted herewith is a form listing the documents cited in the International Search report of International Application Nos. PCT/US01/20763 (AC, AD, AG, AK, BE); PCT/US01/20782 (AB, BH, AR, AA); and PCT/US01/50440 (AU, AO, AZ, BI, BJ). The relevance of these documents is indicated in the International Search Report. The remaining references (AE-AF, AH-AJ, AL-AN, AP-AQ, AS-AT, AV-AY, BA-BD, BF-BG and BK-BQ) are being submitted for the Examiner's consideration.

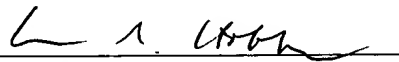
An English language translation has been provided for document BL so no further statement of relevance need be given.

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

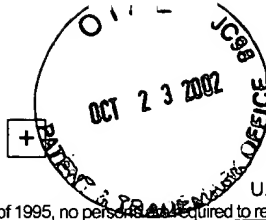
In view of the above, no further translation or statement of relevance is required, and as all requirements of 37 C.F.R. § 1.97 and § 1.98, and all official guide lines pertaining to Information Disclosure Statements have been complied with, and it is therefore respectfully requested that the Examiner consider the remaining cited publications and make them of record.

Respectfully submitted,

Date: 10/23/02

  
Ann S. Hobbs  
Registration No. 36,830  
VENABLE  
P.O. Box 34385  
Washington, D.C. 20043-9998  
Telephone: (202) 962-4800  
Telefax: (202) 962-8300

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

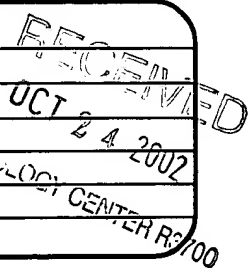
## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet 1 of 2

Application Number 09/893,746  
Filing Date June 29, 2001  
First Named Inventor J. PETTIS et al.  
Group Art Unit 3763  
Examiner Name Not Yet Assigned  
Attorney Docket Number 7767-173562



### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	AA	2,619,962		Rosenthal	12/02/1952	
	AB	3,814,097		Ganderton et al.	06/04/1974	
	AC	3,964,482		Gerstel et al.	06/22/1976	
	AD	4,270,537		Romaine	06/02/1981	
	AE	4,592,753		Panoz	06/03/1986	
	AF	5,003,987		Grinwald	04/02/1991	
	AG	5,098,389		Cappucci	03/24/1992	
	AH	5,156,591		Gross et al.	10/20/1992	
	AI	5,250,023		Lee et al.	10/05/1993	
	AJ	5,279,544		Gross et al.	01/18/1994	
	AK	5,417,662		Hjertman et al.	05/23/1995	
	AL	5,527,288		Gross et al.	06/18/1996	
	AM	5,591,139		Lin et al.	01/07/1997	
	AN	5,801,057		Smart et al.	09/01/1998	
	AO	5,820,622		Gross et al.	10/13/1998	
	AP	5,848,991		Gross et al.	12/15/1998	
	AQ	5,876,582		Frazier	03/02/1999	
	AR	5,879,326		Godshall et al.	03/09/1999	
	AS	5,928,207		Pisano et al.	07/27/1999	
	AT	5,957,895		Sage et al.	09/28/1999	
	AU	5,997,501		Gross et al.	12/07/1999	
	AV	6,099,504		Gross et al.	08/08/2000	
	AW	6,334,856	B1	Allen et al.	01/01/2002	
	AX	6,346,095	B1	Gross et al.	02/12/2002	

### FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	AY	CA	2 349 431		Canada	05/25/2000		
	AZ	EP	1 086 718	A1	Europe	03/28/2001		
	BA	EP	1 086 719	A1	Europe	03/28/2001		
	BB	EP	1 088 642	A1	Europe	04/04/2001		
	BC	EP	1 092 444	A1	Europe	04/18/2001		
	BD	WO	96/17648		PCT	06/13/1996		
	BE	WO	96/37155		PCT	11/28/1996		
	BF	WO	96/37256		PCT	11/28/1996		
	BG	WO	99/43350		PCT	09/02/1999		
	BH	WO	99/64580		PCT	12/16/1999		
	BI	WO	00/67647		PCT	11/16/2000		
	BJ	WO	00/74763	A2	PCT	12/14/2000		
	BK	WO	02/11669	A2	PCT	02/14/2002		

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

### Complete if Known

Application Number 09/893,746  
Filing Date June 29, 2001  
First Named Inventor J. PETTIS et al.  
Group Art Unit 3763  
Examiner Name Not Yet Assigned  
Attorney Docket Number 7767-173562

RECEIVED  
OCT 24 2002  
TECHNOLOGY CENTER 3700

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BL	E. AUTRET et al., Therapie 1991, 46 : 5-8.	
	BM	BRESSOLLE et al., "A Weibull Distribution Model for Intradermal Administration of Ceftriaxime", Journal of Pharmaceutical Sciences, Vol. 82, No. 11, November 1993, pps. 1175-1178.	
	BN	HENRY et al., "Microfabricated Microneedles: A Novel Approach to Transdermal Drug Delivery", Journal of Pharmaceutical Sciences, Vol. 87, No. 8, August 1998, pps. 922-925.	
	BO	KAUSHIK et al., "Transdermal Protein Delivery Using Microfabricated Microneedles", Oct/Nov 1999 (1 page).	
	BP	BURKOTH et al., "Transdermal and Transmucosal Powered Drug Delivery", Critical Review™ in Therapeutic Drug Carrier Systems, 16 (4), (1999), pps. 331-384.	
	BQ	MCALLISTER et al., "Three-Dimensional Hollow Microneedle and Microtube Arrays", Conference: Solid-State Sensors and Actuators Transducers-Conference, 1999; 10 <sup>th</sup> , Vol. 12, pp 1098-1103.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

VENABLE  
ATTORNEYS AT LAW